INTERNATIC AL SEARCH REPORT

Inte al Application No PC1, S2004/029387

A. CLASS IPC 7	FICATION OF SUBJECT MATTER C23C14/56 C23C16/44 B08B7/00	C23C14/34							
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According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED									
	ocumentation searched (classification system followed by classification	n symbols)							
IPC 7	C23C B08B								
Documenta	tion searched other than minimum documentation to the extent that su	ch documents are included in the fields sea	rched						
	ata base consulted during the international search (name of data base								
EPO-In	ternal, PAJ, WPI Data, INSPEC, COMPE	NDEX							
	ENTS CONSIDERED TO BE RELEVANT								
Category °	Citation of document, with indication, where appropriate, of the rele	vant passages	Relevant to claim No.						
Α	US 2002/042192 A1 (TANAKA KEIICHI	FT AL)	1_2						
^	11 April 2002 (2002-04-11)	LI AL)	1-3						
	paragraphs [0009] - [0013]	·							
Α	US 6 428 663 B1 (MOSTOVOY ROMAN E	TAI)	1,5						
	6 August 2002 (2002-08-06)	1.2)	-,5						
	column 3, lines 7-26								
Α	US 5 505 749 A (KIRSCHNER ET AL)	·	5,11-16						
	9 April 1996 (1996-04-09)								
	column 2, line 60 - column 4, lin	e 38							
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	er documents are listed in the continuation of box C.	V Patent for the members are firsted in							
<u> </u>		X Patent family members are listed in	annex.						
•		T" later document published after the interr or priority date and not in conflict with the	national filing date						
conside	nt defining the general state of the art which is not ered to be of particular relevance	cited to understand the principle or thed invention	ory underlying the						
"E" earlier document but published on or after the international filing date "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to									
which i	nt which may throw doubts on priority claim(s) or scited to establish the publication date of another	involve an inventive step when the doct Y document of particular relevance; the cla	ement is taken alone						
"O" docume	nt referring to an oral disclosure, use, exhibition or	cannot be considered to involve an inve document is combined with one or more	entive step when the e other such docu-						
	nt published prior to the international filing date but	ments, such combination being obvious in the art.							
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Date of the a	icidal completion of the international Search	Date of mailing of the international searc	сп героп						
14	February 2005	31, 05.	OE:						
Name and m	ailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer	11.7						
	Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Hoyer, W							

INTERNATIONAL SEARCH REPORT

utional application No. PCT/US2004/029387

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-18
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-18

A method of treating a component of a deposition apparatus, the component having a first hardness, by bead blasting with particles having a greater or equal hardness than the first hardness, the particles consisting essentially of one or both of metal alloy and elemental metal.

2. claims: 19-56

A method and a corresponding product of forming a target/backing plate construction, providing a target, a backing plate and an insert, all having different compositions from each other, bonding the target, the backing plate and the insert in a configuration in which the insert is positioned between at least a portion of the target and the backing plate; the configuration having a surface which extends along a portion of the target and a portion of the insert; and forming a particle trapping region comprising a pattern of curved projections which extends along the portion of the target, the curved projections form cavities, at least some of the cavities opening laterally along the target/backing construction.

INTERNATIONAL SEARCH REPORT

...ormation on patent family members

Interna** ral Application No
PCT/US2004/029387

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 2002042192	A1	11-04-2002	JР	2002115068	Α	19-04-2002
US 6428663	В1	06-08-2002	NONE			
US 5505749	A	09-04-1996	US AU CA EP JP JP KR WO US	2122361	A1 A1 B2 T B1 A1	23-04-1996 21-10-1993 30-09-1993 04-01-1995 24-07-1996 20-04-1995 15-10-1998 30-09-1993 08-08-1995